

# Pressure transmitter SPTW-P16R-G14-VD-M12

Part number: 8000114

FESTO



[General operating condition](#)

## Data sheet

| Feature  | Value   |
|--|---|
| Symbol   | 00991967  |
| Approval   | RCM trademark<br>c UL us listed (OL)                        |
| CE mark (see declaration of conformity)              | To EU EMC Directive<br>In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity)         | To UK RoHS instructions                                     |
| Note on materials                                    | RoHS-compliant  |
| Measured variable                                    | Relative pressure   |
| Measurement method                                   | Metal thin-film pressure sensor                             |
| Start value for pressure measuring range             | 0 MPa   |
| Start value for pressure measuring range             | 0 bar   |
| Start value for pressure measuring range             | 0 psi   |
| End value for pressure measuring range               | 1.6 MPa   |
| End value for pressure measuring range               | 16 bar  |
| End value for pressure measuring range               | 232 psi   |
| Max. overload pressure                               | 32 bar  |
| Overload pressure                                    | 3.2 MPa   |
| Overload pressure                                    | 32 bar  |
| Overload pressure                                    | 464 psi   |
| Operating medium                                     | Liquid media<br>Gaseous media                               |
| Media temperature                                    | 0 °C ... 80 °C  |
| Ambient temperature                                  | 0 °C ... 80 °C  |
| Accuracy in ± % FS                                   | 1 %FS   |
| Repetition accuracy in ± %FS                         | 0.1 %FS   |
| Analogue output                                      | 0.1 - 10 V  |
| Linearity error in ± %FS                             | 0.5 %FS   |
| Short circuit current rating                         | yes   |
| Operational voltage range DC                         | 14 V ... 30 V   |
| Reverse polarity protection                          | For operating voltage                                       |
| Electrical connection 1, connection type             | Plugs   |
| Electrical connection 1, connector system            | M12x1, A-coded to EN 61076-2-101                            |
| Electrical connection 1, number of connections/cores | 4   |
| Electrical connection 1, type of mounting            | Screw-type lock   |
| Electrical connection 1, connection pattern          | 00995386  |
| Material connector housing                           | PA  |

| <b>Feature</b>                      | <b>Value</b>                                 |
|-------------------------------------|--|
| Type of mounting                    | Via female thread<br>With accessories        |
| Mounting position                   | optional                                     |
| Pneumatic connection                | G1/4   |
| Product weight                      | 80 g   |
| Material housing                    | VMQ (silicone)<br>High-alloy stainless steel |
| Material in contact with the medium | High-alloy stainless steel                   |
| Degree of protection                | IP67   |
| Corrosion resistance class CRC      | 4 - Very high corrosion stress               |
| LABS (PWIS) conformity              | VDMA24364 zone III                           |